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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/606,319	06/28/2000	Krishna Seshan	042390.P8490	5476

7590 11/28/2005

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EXAMINER

WEISS, HOWARD

ART UNIT	PAPER NUMBER
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2814

DATE MAILED: 11/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/606,319

Applicant(s)

SESHAN, KRISHNA

Examiner

Howard Weiss

Art Unit

2814

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10, 12-15, 26 and 28 ~~is/are~~ are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-10 and 12-15 ~~is/are~~ are allowed.
- 6) ☒ Claim(s) 26 and 28 ~~is/are~~ are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

Attorney's Docket Number: 042390.P8490

Filing Date: 6/28/00

Continuing Data: RCEs established 8/18/03, 9/16/04 and 10/11/05

Claimed Foreign Priority Date: none

Applicant(s): Seshan

Examiner: Howard Weiss

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/11/05 has been entered.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 26 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsuji (JP 08-204136) and Ito et al. (U.S. Patent No. 5,847,466).

Tsuji shows most aspects of the instant invention (e.g. Figures 1 and 2) including:

- a bond pad **2** of two or more segments **2a** with a wire lead **6** directly attached
- the segments having the same shape (for example, Figure 2(b) shows the segments having an "F" shape)
- lines **L** electrically connected to said segments

Tsuji does not show the bond pad disposed over and electrically connected to a first set of vias disposed over a first line and a second set of vias disposed over a second line. Ito et al. teach (e.g. Figure 2) to disposed over and electrically connect a bond pads **9** to a first set of vias **7a** disposed over a first line **2** and a second set of vias **7b** disposed over a second line **4** to solve over-etching problems (Column 2 Lines 65 to 67). It would have been obvious to a person of ordinary skill in the art at the time of invention to disposed over and electrically connect a bond pad to a first set of vias disposed over a first line and a second set of vias disposed over a second line as taught by Ito et al. in the device of Tsuji to solve over-etching problems.

Allowable Subject Matter

4. Claims 1 to 10 and 12 to 15 are allowed.
5. The following is a statement of reasons for the indication of allowable subject matter: a bond pad as claimed including a BLM disposed over vias and segmented such that each segment is connected to two or more vias could not be anticipated nor, in combination, be rendered obvious over the prior art of record.

Response to Arguments

6. Applicant's arguments filed 10/11/05 have been fully considered but they are not persuasive. The Applicant states that the combination of Tsuji and Ito et al. does not produce the instant invention including a bond pad electrically connected and disposed over a first set of vias disposed over a first line and a second set of vias disposed over a second line. However, as described in the rejection above, Figure 2 of Ito et al. clearly shows this arrangement. In view of these reasons and those set forth in the present office action, the rejections of the stated claims stand.

Conclusion

7. Papers related to this application may be submitted directly to Art Unit 2814 by facsimile transmission. The faxing of such papers must conform with the notice

Art Unit: 2814

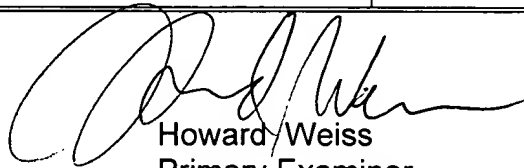
published in the Official Gazette, 1096 OG 30 (15 November 1989). The Art Unit 2814 Fax Center number is **(571) 273-8300**. The Art Unit 2814 Fax Center is to be used only for papers related to Art Unit 2814 applications.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at **866-217-9197** (toll-free).
9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Howard Weiss at **(571) 272-1720** and between the hours of 8:00 AM to 4:00 PM (Eastern Standard Time) Monday through Friday or by e-mail via **Howard.Weiss@uspto.gov**.

10. The following list is the Examiner's field of search for the present Office Action:

Field of Search	Date
U.S. Class / Subclass(es): 257/737, 774, 781	thru 11/12/05
Other Documentation: none	
Electronic Database(s): EAST	thru 11/12/05

HW/hw
22 November 2005


Howard Weiss
Primary Examiner
Art Unit 2814